CLAIMS

1. A method for destroying protozoa in an aqueous flow colonized by protozoa, comprising applying a pulsed electric field to the aqueous flow at an intensity from 1 kV/cm to 30 kV/cm.

2. The method according to claim 1, wherein the intensity of the electric field applied to the flow is from 1.5 to 15 kV/cm.

3. The method according to claim 1, wherein said pulsed electric field is applied with a number of 1 to 50 pulses.

4. The method according to claim 1, wherein the flow is continuous.

5. The method according to claim 1, wherein the flow is sequential.

6. The method according to claim 1, wherein the pulsed electric filed is applied in a pulse profile which is of a square wave type, an exponential decay wave type, a sinusoidal wave type, a bipolar wave type or a trapezoidal wave type.

7. The method according to claim 1, wherein the pulsed electric field has pulses at a frequency of 1 Hz to 2000 Hz.

8. The method according to claim 1, wherein the pulsed electric field has pulses with a pulse duration on the order of 1 μs to about 10 ms.

9. The method according to claim 1, wherein the field is substantially parallel to the flow.

10. The method according to claim 1, wherein the field is substantially perpendicular to the flow.

11. The method according to claim 1, wherein the protozoa are amoebas.

12. The method according to claim 11, wherein the protozoa are free living amoebas.

13. A method for eliminating protozoa in an aqueous flow colonized by protozoa, said method comprising applying a pulsed electric field to the aqueous flow at an intensity from 1 kV/cm to 30 kV/cm.